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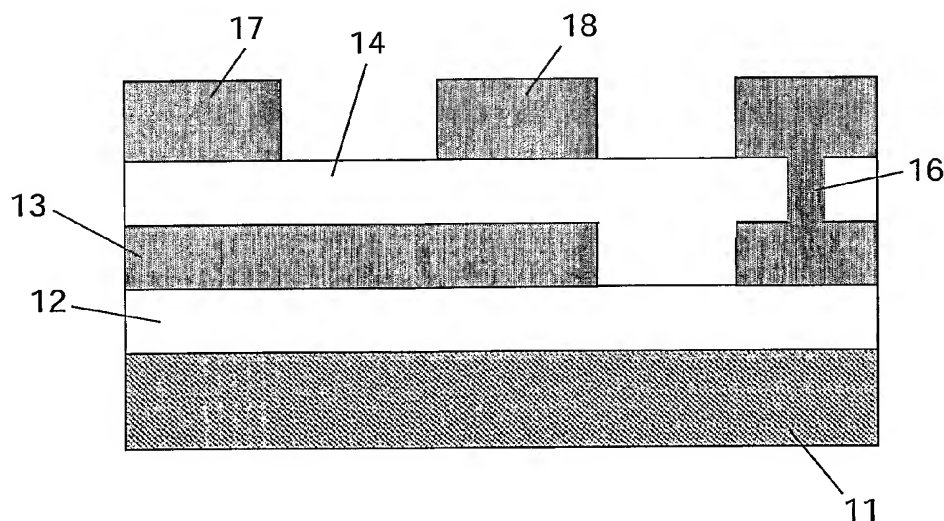
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(54) Title: NON-VOLATILE FERROELECTRIC THIN FILM DEVICE USING AN ORGANIC AMBIPOLAR SEMICONDUCTOR AND METHOD FOR PROCESSING SUCH A DEVICE



(57) Abstract: A non-volatile ferroelectric memory device is proposed which comprises a combination of an organic ferroelectric polymer with an organic ambipolar semiconductor. The devices of the present invention are compatible with - and fully exploit the benefits of polymers, i.e. solution processing, low-cost, low temperature layer deposition and compatibility with flexible substrates.

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